

THINAMP™

DSP 10



OWNER'S MANUAL



AXL 

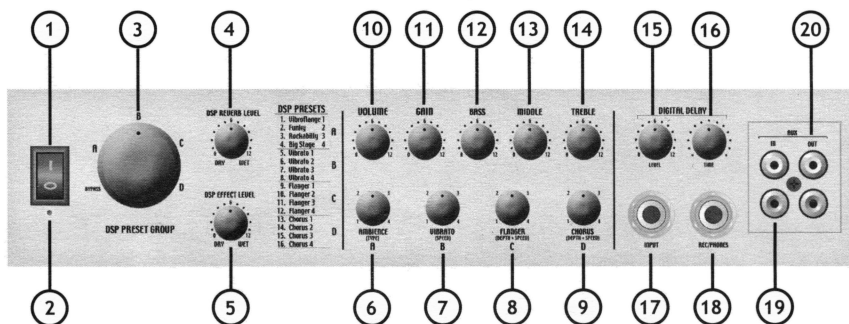
Model: DSP 10

Introduction

"Thin" is in, and you hold in your hands the world's first Thinamp™ portable, guitar amplifier. This is a go anywhere unit with a 2 1/8" (54mm) deep, lightweight ABS frame, supporting a full-range of analog sound and 16 digital effect choices. Effects operate easily, with 16 presets separated into 4 groups (like regular floor pedals) with variable reverb and effect levels. Additionally, the Digital Delay has variable level and time adjustment controls.

We want you to get right into playing this unique unit, but first take a quick review of this manual.

Panel Functions



- ① **Power Switch:** Turns unit ON (I) or OFF (O).
- ② **Power Light:** LED will illuminate when the power is turned ON (I).
- ③ **DSP Preset Group:** Selects Preset Group A, B, C, or D. In Bypass position, all effects are turned off, except use of Digital Delay.
- ④ **DSP Reverb Level:** Adjusts the amount of digital reverb, within any of the 4 groups A, B, C, or D, from Dry (no effect) to Wet (full effect on). Works in conjunction with ⑤, or by itself when Preset Groups (A, B, C, D) are operating.
- ⑤ **DSP Effect Level:** Adjusts the amount of each effect within any of the 4 groups A, B, C, or D. Effect level goes from Dry (no effect) to Wet (full effect on). Works in conjunction with ④, or by itself when Preset Groups (A, B, C, D) are operating.
- ⑥ **Ambience:** Group A effects (1-4). Coordinates with DSP Preset Group ③. Select from DSP Presets (1, 2, 3, or 4) in Group A.
- ⑦ **Vibrato:** Group B effects (1-4). Coordinates with DSP Preset Group ③. Select from DSP Presets (1, 2, 3, or 4) in Group B. Speed varies from Slow (1) to Fast (4).
- ⑧ **Flanger:** Group C effects (1-4). Coordinates with DSP Preset Group ③. Select from DSP Presets (1, 2, 3, or 4) in Group C. Speed varies from Slow (1) to Fast (4).

Panel Functions

- ⑨ **Chorus:** Group D effects (1-4). Coordinates with DSP Preset Group ③. Select from DSP Presets (1, 2, 3, or 4) in Group D. Speed varies from Slow (1) to Fast (4).
- ⑩ **Volume:** Controls overall sound level of the amplifier.
- ⑪ **Gain:** Use this control to adjust the preamp level & amount of distortion. Works in combination with the Volume ⑩.
- ⑫ **Bass:** Use this control to adjust the low frequency level. Center position (straight up) provides no cut or boost.
- ⑬ **Middle:** Use this control to adjust the middle frequency level. Center position (straight up) provides no cut or boost.
- ⑭ **Treble:** Use this control to adjust the high frequency level. Center position (straight up) provides no cut or boost.
- ⑮ **Level (Digital Delay):** Adjusts amount of the delaying effect.
- ⑯ **Time (Digital Delay):** Adjusts length of repeated echoes.
- ⑰ **Input:** Used to connect the signal output from an electric guitar. (Always use an undamaged, shielded, 1/4" plug cable.)
- ⑱ **REC/Phones:** Use to connect 1/4" plug, shielded cable to a mixer or recording device, or use to connect headphones with 1/4" plug to the amplifier for private listening.

(Note: Speaker is disengaged when this jack is in use. ALL control functions and effects are operable through this output.)

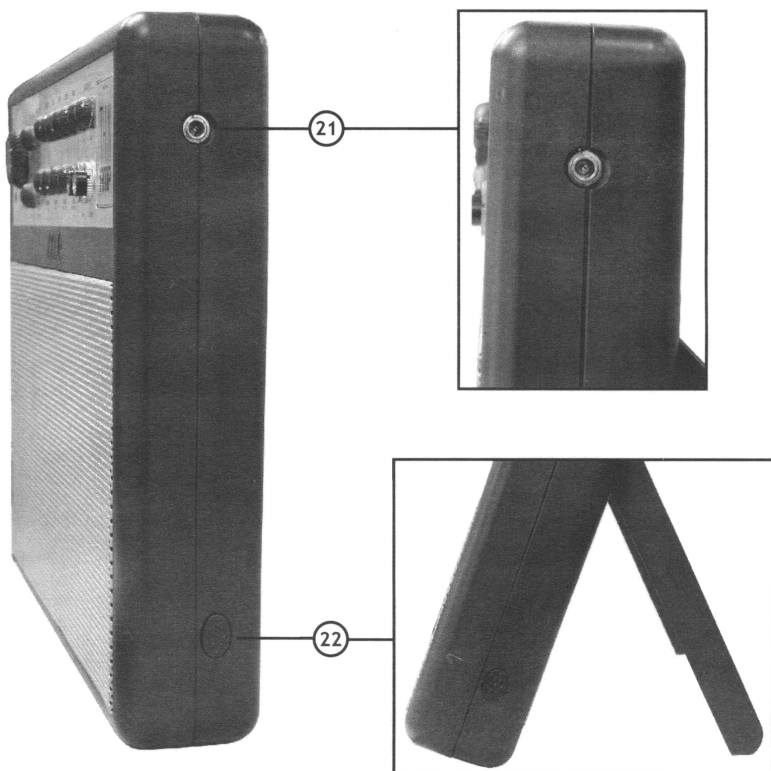
CAUTION NOTE: Your ears are valuable! There could be damage to your ears if you listen at high volumes for long periods of time.

The following appropriate noise level exposures has been specified by the U.S. Government's Occupational Safety and Health Administration (OSHA):

DURATION PER DAY IN HOURS	SOUND LEVELS db FLOW RESPONSE
8	90
6	93
4	95
3	97
2	100
1	103
1/2 Hour or Less	110

- ⑲ **AUX IN:** Use to connect audio devices, such as CD, tape, MP3 players, etc., with a pair of RCA plugs. (**Special Note:** With a 1/4" mono plug to RCA adapter, you can connect another guitar to this unit.)
- ⑳ **AUX OUT:** Line level output to connect a pair of RCA plugs out to external mixer, recording device, etc. (**Note:** Speaker remains engaged and ALL control functions and effects are operable.)

ThinAmp Functions



- ②① **Adapter/Rechargeable Battery Input:** Use to connect the power adapter included in this unit, or (optional) rechargeable battery. Please note correct power requirements of the unit before connection.
- ②② **Tilt Legs:** Use push buttons on lower left and right sides of unit to allow legs to come out for placement on to a flat surface. Legs automatically move into position.

Suggested Settings

Vibroflange

<p>DSP PRESET GROUP</p>	<p>DSP REVERB LEVEL</p>	<p>VOLUME</p>	<p>GAIN</p>	<p>BASS</p>	<p>MIDDLE</p>	<p>TREBLE</p>	<p>DIGITAL DELAY LEVEL</p>	<p>DIGITAL DELAY TIME</p>
	<p>DSP EFFECT LEVEL</p>	<p>A</p>	<p>B</p>	<p>C</p>	<p>D</p>			

Funky

<p>DSP PRESET GROUP</p>	<p>DSP REVERB LEVEL</p>	<p>VOLUME</p>	<p>GAIN</p>	<p>BASS</p>	<p>MIDDLE</p>	<p>TREBLE</p>	<p>DIGITAL DELAY LEVEL</p>	<p>DIGITAL DELAY TIME</p>
	<p>DSP EFFECT LEVEL</p>	<p>A</p>	<p>B</p>	<p>C</p>	<p>D</p>			

Rockabilly

<p>DSP PRESET GROUP</p>	<p>DSP REVERB LEVEL</p>	<p>VOLUME</p>	<p>GAIN</p>	<p>BASS</p>	<p>MIDDLE</p>	<p>TREBLE</p>	<p>DIGITAL DELAY LEVEL</p>	<p>DIGITAL DELAY TIME</p>
	<p>DSP EFFECT LEVEL</p>	<p>A</p>	<p>B</p>	<p>C</p>	<p>D</p>			

Big Stage

<p>DSP PRESET GROUP</p>	<p>DSP REVERB LEVEL</p>	<p>VOLUME</p>	<p>GAIN</p>	<p>BASS</p>	<p>MIDDLE</p>	<p>TREBLE</p>	<p>DIGITAL DELAY LEVEL</p>	<p>DIGITAL DELAY TIME</p>
	<p>DSP EFFECT LEVEL</p>	<p>A</p>	<p>B</p>	<p>C</p>	<p>D</p>			

**Special Setting
for
Acoustic-Electrics**

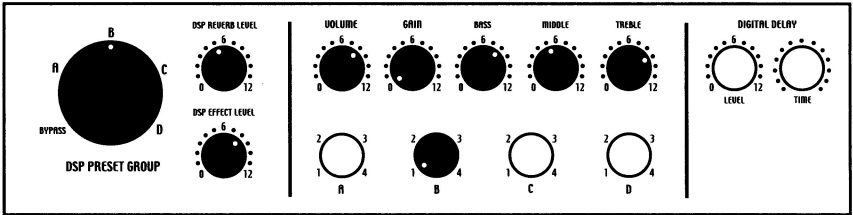
<p>VOLUME</p>	<p>GAIN</p>	<p>BASS</p>	<p>MIDDLE</p>	<p>TREBLE</p>	<p>DIGITAL DELAY LEVEL</p>	<p>DIGITAL DELAY TIME</p>
Set at 4 or 8					Set at 2 to 8	

Tip: Set Guitar EQ flat (no cut or boost, with modest volume.)

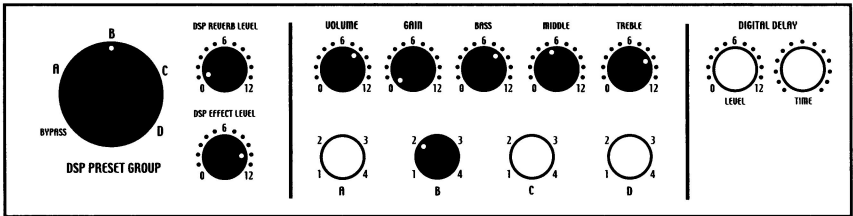
Note: Use black knobs for the settings indicated.

Suggested Settings

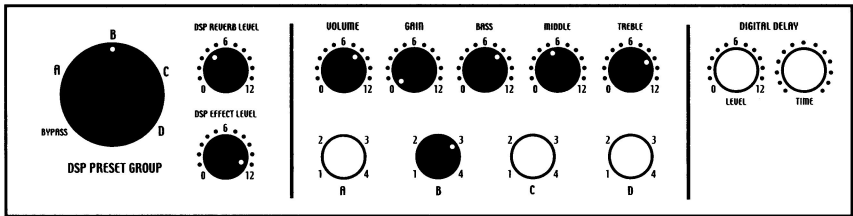
Vibrato 1



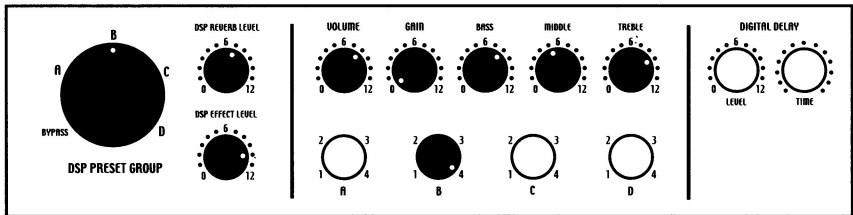
Vibrato 2



Vibrato 3

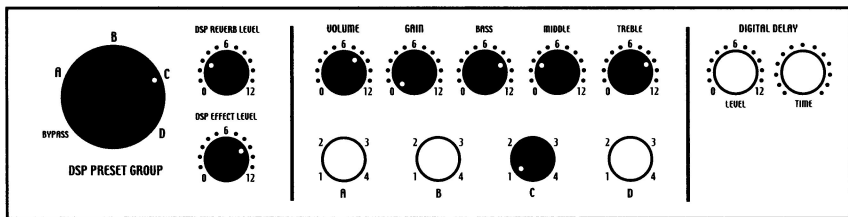


Vibrato 4

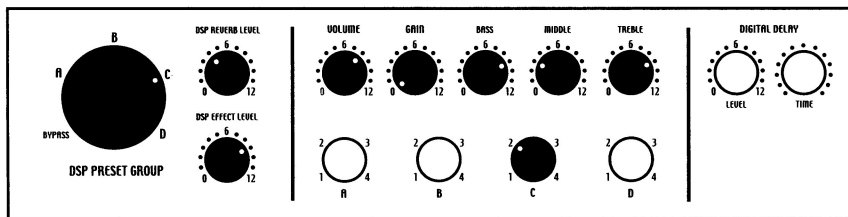


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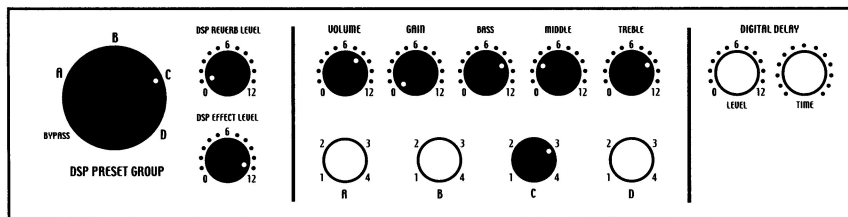
Flanger 1



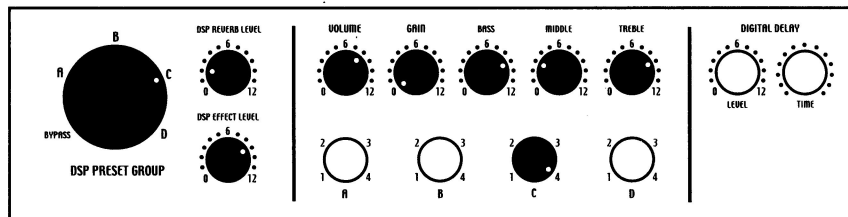
Flanger 2



Flanger 3

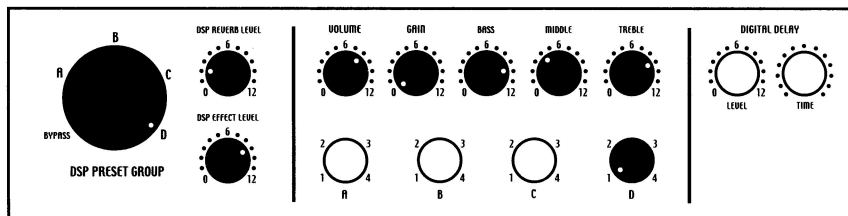


Flanger 4

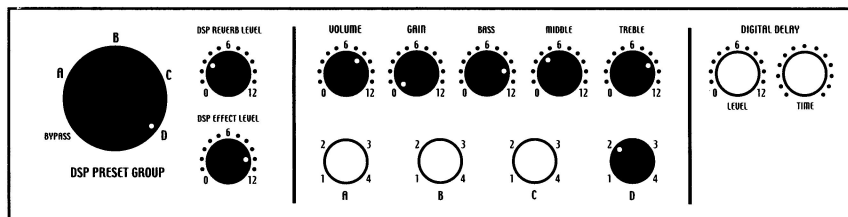


Suggested Settings

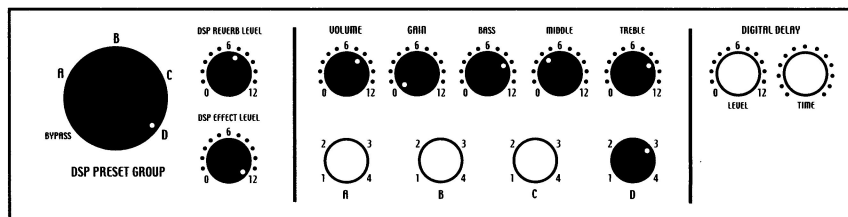
Chorus 1



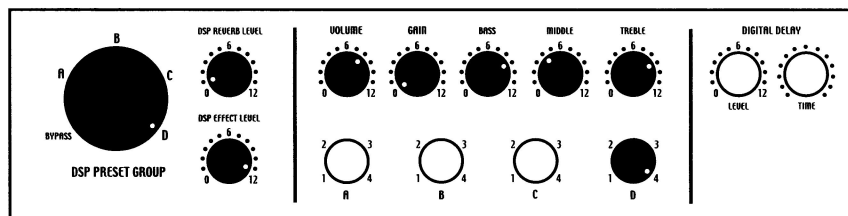
Chorus 2



Chorus 3



Chorus 4

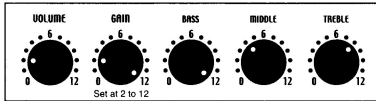


General Settings Notes

Overdrive to Distortion General Settings

Low Volume

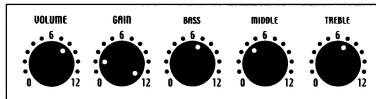
1



Add gain 2 to 12 according to player's equipment and distortion needs.

High Volume

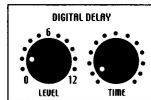
2



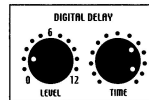
Add gain 2 to 12 according to player's equipment and distortion needs.

General Delay Settings

3



Doubling Effect



Low Volume Solo

(Set Time at 8 or 11)

4

Settings recommended for all Strat Style pickups and Humbucking Bridge and Middle Position pickups. Humbucking Neck pickup adjust for volume and EQ.

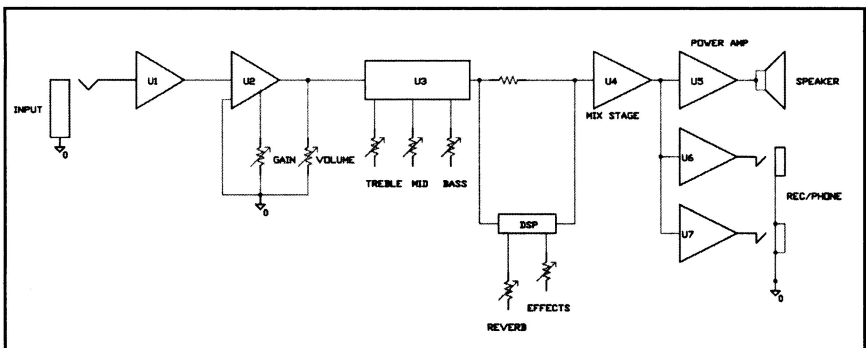
5

Special Note: Many settings with little or no gain added are especially good with an acoustic-electric guitar.

6

Tip: When changing plugs or guitars, turn volume all the way down.

Source Diagram



Technical Specifications

Power Sources:

- External Universal 12VDC Adapter
- Car Cigarette Adapter
- External Rechargeable 12V Battery (optional)

Power Indicator: Blue Diffused LED

Output Power: 10W

Speakers: 2 x 4" Speakers

Rated Load Impedance: 8Ω

EQ Section: Bass (100Hz) +/- 3dB
Middle (1KHz) -15dB / +3dB
Treble (10KHz) -14dB / +5dB

Effects Characteristics:

Digital Audio Effects

(16 Presets separated into 4 groups. Effect Level is variable.):

1. Chorus with 4 various speeds and Depth
2. Flanger with 4 various speeds and Depth
3. Vibrato with 4 various speeds
4. Ambience (4 Types):
 - Big Stage with Solo Flanging, Hall Rev.
 - Rockabilly in Slow & Soft Flanger, Tape Rev.
 - Funky with Spring Rev.
 - Vibroflange with Spring Rev.

Digital Surround/Delay:

1. (THD<0.5%), (<-90dBV) noise voltage
2. Adjustable delay time range from 31ms up to 342ms.

Frequency Response: 50Hz~22KHz

Input Jack: ¼" Phone Jack

REC/Phones: ¼" Stereo Jack

AUX In/Out: Hidden RCA Jacks for input & output signals

Reverb: Digital (Reverb Level is variable.)

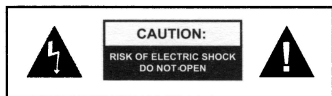
Cabinet Tilt Level: 45° angle with respect to the vertical direction.

Dimensions: 13" (330mm) **W** x 10.5" (267mm) **H** x 2.2" (54mm) **D**

Weight: 5.35lbs. / 2.43Kg

Important Safety Instructions

WARNING!
Please Read ALL Safety & Operating Instructions
Before Using This Product



CAUTION: To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture. Dangerous high voltages are present inside the enclosure. Do not open the cabinet. Refer servicing to qualified personnel only.



This symbol warns the user of dangerous voltage levels localized within the enclosure.



This symbol advises the user to read all accompanying literature for safe operation of the unit.

Power Sources

This product should be operated only from the type of power source indicated on the marking label. If you are not sure of the type of power supply to your home, consult your product dealer or local power company.

Insertion Warning

Never insert objects of any kind into this product, as they may touch dangerous voltage points or short-out parts that could result in a fire or electric shock. Never spill liquid of any kind on the product.

Servicing

Do not attempt to service this product yourself as opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

Heat

The product should be placed away from heat sources, such as radiators, stoves, or other products (including amplifiers) that produce heat.

Cleaning

Unplug this product from the wall outlet before cleaning. Do not use liquid cleaners or aerosol cleaners. Use a damp cloth for cleaning.

Safety Check

Upon completion of any service repairs to this product, ask the service technician to perform safety checks to determine that the product is in proper operating condition.

Limited Warranty Information

This amplifier is warranted, to the original Purchaser, to be free from defects in material and workmanship for a period of five (5) years from the original date of purchase.

The manufacturer shall, at its option, either repair or replace the defective product if the product is returned to the original place of purchase. If any product returned is not defective within this warranty, the manufacturer shall so advise the Purchaser and thereafter shall dispose of said product in accordance with the Purchaser's instructions and at the Purchaser's cost. This warranty is not transferable by the Purchaser.

The warranty shall not apply to wearable parts, including, but not limited to, amplifier knobs, feet, handles, covering, and grille.

This warranty shall not apply if the product has been misused or damaged as a result of neglect, abuse, alteration, improper handling, unauthorized repair or modification, accident or causes external to the product, such as, but not limited to, excessive heat or humidity.

The manufacturer's sole and exclusive maximum liability for any claim by the Purchaser, shall not exceed the wholesale value of the product. In no event shall the manufacturer be liable for any indirect, incidental, collateral, exemplary, or consequential damages or losses arising out of the Purchaser's purchase of the product. The above limitations may not apply in some states (U.S.).

"Remember, the idea is to experiment and have fun with your new amplifier. Try different guitars, pickups, and effects devices to come up with exciting and different sounds. Your style and individual tone will come as a result."

-Editor-

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